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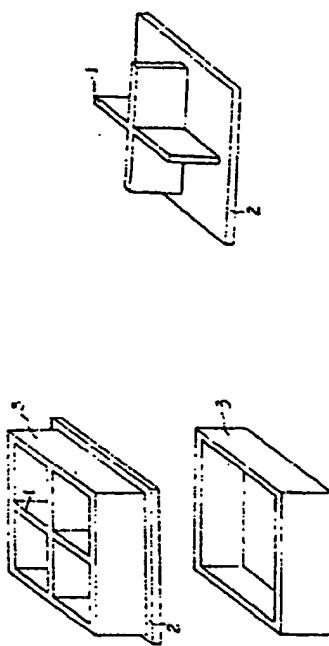
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12.02.77-JA-014412 (30.08.78) B28b-07 C04b-21/02
Small, cellular particles prodn. from hardenable material - by mixing
water, and foaming agent or gas generating agent with cement etc.
and forming in mould

Prepn. of small, cellular blocks from a hardenable
material comprises mixing water with hardenable material
after adding a foaming agent or a gas generating agent to
obtain a paste, charging the paste in a mould and completing
the foam generation and hardening in the mould.
Pref. a viscosity-increasing and foam-maintaining
agent and a setting time regulator are used in combination
with the foam generating agent, and the paste is charged
in the mould after the paste is foamed to a desired extent.
The mould comprises a base plate adhered to partition
plates and an external frame which is attached or removed
when required.

The uniformity of the foams in the product is excellent
and delay of setting is prevented. Pref. foam generating
agent is cationic surfactant, such as alkali salt dodecyl-
benzene sulphonate, triethanolamine salt of lauric acid,
ammonium laurate, alkali salt of alkyl naphthalene sulphon-
ic acid, etc. Pref. viscosity-increasing foam-maintaining

agent is PVA, glue, casein, sodium polyacrylate, car-
boxymethyl cellulose, etc. Pref. setting time regulator is
triethanolamine, alkali citrate, borax, aluminium sulphate
(4pp126) or chloride, CaCl_2 , NaCl , etc.



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